



SEQUENCE LISTING

<110> Protein Design Labs

<120> METHOD OF TREATING CANCER WITH ANTI-PLEIOTROPHIN ANTIBODIES

<130> 05882.0114.NPUS01

<160> 15

<170> PatentIn version 3.2

<210> 1

<211> 168

<212> PRT

<213> Homo Sapiens

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Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
1 5 10 15

Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
20 25 30

Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
35 40 45

Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
50 55 60

Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
65 70 75 80

Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
85 90 95

Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
100 105 110

Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
115 120 125

Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
130 135 140

Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
145 150 155 160

Lys Lys Gln Glu Lys Met Leu Asp

165

<210> 2
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<213> Mus Musculus

<400> 2

Met Ser Ser Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
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Phe Leu Ala Leu Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
20 25 30

Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
35 40 45

Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
50 55 60

Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
65 70 75 80

Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
85 90 95

Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
100 105 110

Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
115 120 125

Ala Asp Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
130 135 140

Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
145 150 155 160

Lys Lys Gln Glu Lys Met Leu Asp
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<212> PRT
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Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
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Ser Val Lys Ile Ser Cys Gln Ala Ser Gly Tyr Ala Phe Ser Ser His
20 25 30

Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Arg Ile Tyr Pro Gly Asp Gly Asp Ser Leu Tyr Asn Gly Lys Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Val Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
85 90 95

Ala Arg Thr Arg Ala Tyr Gly Pro Ala Trp Phe Ala Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ala
115 120

<210> 4
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<212> DNA
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cctggaaagg gtcttgagtg gattggacgg atttatcctg gagatggaga ttctctctac 180
aatgggaagt tcaagggcaa ggccacactg actgcagaca aatcctccac cacagtctac 240
atgcagctca gcagcctgac atctgaggac tctgcggtct acttctgtgc aagaacgagg 300
gcttatggtc ccgcctggtt tgcttactgg ggccaaggga ctctgggtcac tgtctctgca 360

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Ser His Trp Met Asn

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Arg Ile Tyr Pro Gly Asp Gly Asp Ser Leu Tyr Asn Gly Lys Phe Lys
1 5 10 15

Gly

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Thr Arg Ala Tyr Gly Pro Ala Trp Phe Ala Tyr
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<210> 8
<211> 112
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<213> Homo Sapiens

<400> 8

Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ala Met Ser Val Gly
1 5 10 15

Gln Lys Val Thr Leu Ser Cys Arg Ser Ser Gln Ser Leu Leu Asp Ser
20 25 30

Asn Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Ser Pro Lys Leu Leu Val Tyr Ala Ser Ile Arg Glu Ser Gly Val Pro
50 55 60

Asp Arg Phe Ile Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
65 70 75 80

Thr Ser Val Gln Ala Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln His
85 90 95

Tyr Ser Thr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105 110

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tggtaccagc agaaaccggg acagtctcct aaacttctgg tatacyttgc atctattagg 180
gaatctgggg tccctgatcg cttcatagge agtggatctg ggacagattt cactcttacc 240
atcaccagtg tgcaggctga agacctggca gattatttct gtcagcaaca ttatagcact 300
cccctcacgt tcggtgctgg gaccaagctg gagctgaaa 339

<210> 10
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<212> PRT
<213> Homo Sapiens

<400> 10

Arg Ser Ser Gln Ser Leu Leu Asp Ser Asn Asn Gln Lys Asn Tyr Leu
1 5 10 15

Ala

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<400> 11

Ala Ser Ile Arg Glu Ser
1 5

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<212> PRT
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<400> 12

Gln Gln His Tyr Ser Thr Pro Leu Thr
1 5

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 <213> Mus Musculus

<400> 13

Met Gly Trp Ser Trp Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Ser
 1 5 10 15

Val His Ser Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser
 20 25 30

Asp Cys Gly Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp
 35 40 45

Cys Gly Leu Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys
 50 55 60

Gln Thr Met Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys
 65 70 75 80

Gln Phe Gly Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys
 85 90 95

Asp Leu Asn Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala
 100 105 110

Leu His Asn Ala Asp Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys
 115 120 125

Gly Lys Leu Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys
 130 135 140

Lys Glu Gly Lys Lys Gln Glu Lys Met Leu Asp Thr Gly Gly Gly Glu
 145 150 155 160

Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Ala Ala
 165 170 175

Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
 180 185 190

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
 195 200 205

Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val

210	215	220
His Asn Ala Lys Thr 225	Lys Pro Arg Glu Glu 230	Gln Phe Asn Ser Thr Phe 235 240
Arg Val Val Ser Val 245	Leu Thr Val Val 250	His Gln Asp Trp Leu Asn Gly 255
Lys Glu Tyr Lys Cys Lys Val Ser 260	Asn Lys Gly Leu Pro 265	Ala Pro Ile 270
Glu Lys Thr Ile Ser Lys Thr 275	Lys Gly Gln Pro Arg 280	Glu Pro Gln Val 285
Tyr Thr Leu Pro Pro Ser 290	Arg Glu Glu Met Thr 295	Lys Asn Gln Val Ser 300
Leu Thr Cys Leu Val 305	Lys Gly Phe Tyr Pro 310	Ser Asp Ile Ala Val Glu 315 320
Trp Glu Ser Asn Gly Gln Pro Glu Asn 325	Asn Tyr Lys Thr Thr 330	Pro Pro 335
Met Leu Asp Ser Asp Gly Ser Phe 340	Phe Leu Tyr Ser Lys 345	Leu Thr Val 350
Asp Lys Ser Arg Trp Gln Gln Gly 355	Asn Val Phe Ser Cys Ser Val Met 360 365	
His Glu Ala Leu His Asn His Tyr Thr Gln Lys 370	Ser Leu Ser Leu Ser 375 380	

Pro Gly Lys
385

<210> 14
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 <213> Homo Sapiens

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Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
1 5 10 15

Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
20 25 30

Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
35 40 45

Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
50 55 60

Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
65 70 75 80

Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
85 90 95

Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
100 105 110

Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Gln Ala Val His
115 120 125

Ala Ala His Ala Glu Ile Asn Glu Cys Gln Lys Thr Val Thr Ile Ser
130 135 140

Lys Pro Cys Gly Lys Leu Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys
145 150 155 160

Lys Lys Lys Lys Glu Gly Lys Lys Gln Glu Lys Met Leu Asp
165 170

<210> 15

<211> 11

<212> PRT

<213> Homo Sapiens

<400> 15

Gln Ala Val His Ala Ala His Ala Glu Ile Asn
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